

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An opening and closing device comprising:

a stator having a stator cam; and

a rotor having a rotor cam urged to the stator cam by a spring, and rotatable with respect to the stator;

wherein, the stator cam ~~has~~ includes:

a flat stator portion and a projecting stator portion, the projecting stator portion including a first tilting portion and a second tilting portion extending from the flat stator portion to the first tilting portion, and

a first inclined plane formed on the a side wall of at least one of the first tilting portion and the flat stator portion; and

wherein, the rotor cam ~~has~~ includes:

a projecting rotor portion; and

a second inclined plane formed on a the side wall of the projecting rotor portion; and

wherein, friction between the stator cam and the rotor cam is greater (a) when the first inclined plane and the second inclined plane are capable of moving in contact with each other than (b) when the first inclined plane and the second inclined plane are not in contact with each other.

2. (Currently Amended) The opening and closing device of claim 1, wherein ~~the stator cam comprises a flat portion and a projecting portion both of which are formed on a side of the stator~~, wherein

the projecting portion of the stator cam has a projecting top portion, ~~a first tilting portion and a second tilting portion~~, the first tilting portion and the second tilting portion extend from the projecting top portion,

at least one of the first tilting portion and the second tilting portion without involving the projecting top portion and the flat portion has the first inclined plane,

and the flat portion is connected to the second tilting portion.

3. (Currently Amended) The opening and closing device of claim 1, wherein the rotor cam ~~further comprises~~ includes a flat portion ~~and a projecting portion both of which are formed on a side of the rotor~~, wherein

the projecting portion further includes ~~has~~ a projecting top portion, a third tilting portion and a fourth tilting portion, the third tilting portion and the fourth tilting portion extend from the projecting top portion,

at least one of the third tilting portion and the fourth tilting portion without involving the projecting top portion and the flat portion has the ~~first~~ second inclined plane,

and the flat portion is connected to the fourth tilting portion.

4. (Original) The opening and closing device of claim 1, wherein the first inclined plane includes a plurality of inclined planes of different angles of inclination and the second inclined plane includes a plurality of inclined planes of different angles of inclination.

5. (Original) The opening and closing device of claim 1 for use in electronic equipment, the electronic equipment comprising:

a fix housing having at least one of an operating part and a sound input part formed on a top face thereof; and

a movable housing having at least one of a display and a sound output part formed on a surface thereof;

wherein the stator is attached to the fix housing; and

the rotor is attached to the movable housing.

6. (Original) The opening and closing device of claim 1 for use in electronic equipment, the electronic equipment comprising:

a fix housing having at least one of an operating part and a sound input part formed on a top face thereof; and

a movable housing having at least one of a display and a sound output part formed on a surface thereof;

wherein the stator is attached to the movable housing; and

the rotor is attached to the fix housing.

7. (Currently Amended) Electronic equipment having an opening and closing device, the electronic equipment comprising:

a fix housing having at least one of an operating part and a sound input part formed on a top face thereof;

a movable housing having at least one of a display and a sound output part formed on a surface thereof; and

the opening and closing device comprising:

a stator having a stator cam;

a rotor having a rotor cam urged to the stator cam by a spring, and rotatable with respect to the stator;

wherein, the stator cam ~~has~~ includes:

a flat stator portion and a projecting stator portion, the projecting stator portion including a first tilting portion and a second tilting portion extending from the flat stator portion to the first tilting portion, and

a first inclined plane formed on the a side wall of at least one of the first tilting portion and the flat stator portion; and

wherein, the rotor cam has includes:

a projecting rotor portion; and

a second inclined plane formed on the a side wall of the projecting rotor portion; and

wherein, friction between the stator cam and the rotor cam is greater (a) when the first inclined plane and the second inclined plane are capable of moving in contact with each other than (b) when the first inclined plane and the second inclined plane are not in contact with each other.

8. (Original) The electronic equipment of claim 7, wherein the stator is attached to the fix housing, and the rotor is attached to the movable housing.

9. (Original) The electronic equipment of claim 7, wherein the first inclined plane and the second inclined plane contact with each other when the fix housing and the movable housing are closed.

10. (Original) The electronic equipment of claim 7, wherein the first inclined plane and the second inclined plane contact with each other when the fix housing and the movable housing are opened at a predetermined angle.

11. (New) The opening and closing device of claim 1, wherein the rotor cam further includes a flat portion formed on a side of the rotor,

wherein the projecting portion of the stator cam further includes a projecting top portion, a third tilting portion and a fourth tilting portion, the third tilting portion and the fourth tilting portion extend from the projecting top portion,

at least one of the third tilting portion and the fourth tilting portion without involving the projecting top portion and the flat portion has the second inclined plane,

and the flat portion is connected to the fourth tilting portion, and

wherein the first inclined plane is formed on a side wall of the projecting top portion of the stator cam; and

the first inclined plane formed on the side wall of the projecting top portion of the stator cam contacts the second inclined plain formed on at least one of the third tilting portion and the fourth tilting portion without involving the projecting top portion and the flat portion of the rotor.